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Montreal, Canada
July 23, 2007

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of
THOMAS Q. HU ET AL
Serial No. 10/532,138
Filed April 20, 2005

For: **LIGHT-STABLE AND PROCESS-STABLE
LIGNOCELLULOSIC MATERIALS AND
THEIR PRODUCTION**

Art Unit 1731

Examiner – Michael J. Felton

Commissioner for Patents
P. O. Box 1450
Alexandria, Virginia 22313-1450
U. S. A.

**REQUEST FOR CORRECTION
OF ERROR IN INVENTOR'S NAME**

Sir:

Attached is a copy of the cover page of the Publication of this application, i.e.,
US 2005/0269049.

There is a minor typographical error in the family name of the second named
inventor as it appears on the cover of the published application. The name should be:
Pikulik.

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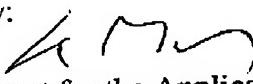
The Commissioner of Patents

Serial No. 10/532,138

The correct spelling of the name is shown in the papers filed in the Patent Office, and it is requested that the record be corrected to ensure that the name is correctly shown when the application proceeds to patent.

Respectfully,
THOMAS Q. HU ET AL

By:

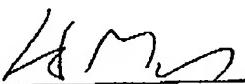

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Enc.

CERTIFICATE OF FACSIMILE TRANSMISSION

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Date: July 23, 2007



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(54) LIGHT-STABLE AND PROCESS-STABLE LIGNOCELLULOSIC MATERIALS AND THEIR PRODUCTION

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(52) U.S. Cl. 162/72; 162/78; 162/162

(57)

ABSTRACT

A novel method for the production of light-stable and process-stable lignocellulosic materials, in particular, the production of mechanical wood pulps with much improved light and process stability is described, as well as the resulting pulps of improved light and process stability and papers containing such pulps. The novel method involves the reaction of lignocellulosic materials such as bleached chemithermomechanical pulps (BCTMP) with (a) a water-soluble, fibre-reactive yellowing inhibitor possessing two or more secondary amino or ammonium ($-\text{NHR}'$ or $-\text{HN}^+ \text{HR}'$), tertiary amino or ammonium ($-\text{NR}'\text{R}''$ or $-\text{HN}^- \text{R}'\text{R}''$), and/or quaternary ammonium ($-\text{N}^+\text{R}'\text{R}''\text{R}'''$) functional groups in an aqueous medium, or (b) a water-soluble, fibre-reactive hindered amine light stabilizer possessing said amino or ammonium functional groups in an alkaline peroxide bleaching medium or in an aqueous medium with a subsequent bleaching of the materials in an alkaline peroxide bleaching medium. Examples of the water-soluble, fibre-reactive yellowing inhibitors are the novel, N-(2,2,6,6-tetramethyl-1-oxyl-piperidin-4-yl)-N'-(2-[2-(2,2,6,6-tetramethyl-1-oxyl-piperidin-4-ylamino)-ethylamino]-ethyl)-ethane-1,2-diamine (abbreviated as TETA-2TEMPO) and its hydroxylamine hydrochloride derivative, N-(2,2,6,6-tetramethyl-1-hydroxyl-piperidin-4-yl)-N'-(2-[2-(2,2,6,6-tetramethyl-1-hydroxyl-piperidin-4-ylamino)-ethylamino]-ethyl)-ethane-1,2-diamine hexahydrochloride (abbreviated as TETA-2TEMPOH-6HCl).